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# LIBRARY NEWSLETTER

U.S. DEPARTMENT OF AGRICULTURE

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"Books are the best levellers. They give to all who will faithfully use them the society, the spiritual presence, of the best and greatest of our race."  
--Wm. E. Channing

## NORTH AMERICAN TREES\*

By Richard J. Preston, Jr.

Comment by Henry Bull, Silviculturist  
Southern Forest Experiment Station

This is "a handbook designed for field use, with plates and distribution maps." It is designed mainly for use by "an interested non-technical public," for whom there has been no "simple yet complete up-to-date manual" for all of North America. In all, 568 species are treated (including naturalized and common exotic trees), of which 232 of most importance and interest are described and sketched in considerable detail.

This is a handy reference book that makes it easy to identify all but the most uncommon North American trees. Naturally a book of this objective and scope does not provide the details for individual regions that are available in books applying to a single region, or the botanical or other scientific details for individual species that are available in treatises like Sargent's Manual of the Trees of North America.

\* Preston, R. J. NORTH AMERICAN TREES. Iowa State College Press, 1948. 371p.  
454 P92

## OTHER NEW BOOKS IN THE LIBRARY

FUNDAMENTALS OF SOIL MECHANICS, by D. W. Taylor. Wiley, 1948. 700p. 56.43 T21

The author tells us that the basic aim of this book is the presentation of fundamentals rather than the furnishing of final answers to practical problems. Some of the chapter headings are: Subsurface investigations, Use of elastic theory for estimating stresses in soils, Stability of slopes, Soil mechanics considerations relative to dams.

DID YOU RESOLVE TO ASK THE LIBRARY TO BE OF GREATER ASSISTANCE TO YOU IN 1949?  
WE ARE HERE TO HELP YOU IF WE CAN.

GARDEN SOILS: THEIR USE AND CONSERVATION, by A. B. Beaumont. Orange Judd, 1948. 280p. 56.7 B332

"Gardening is more than a source of food, it is a way of life." So states the author in his foreword. And somehow in his discussion of garden soils, Mr. Beaumont manages to make a garden seem one of the characters of life with definite personality traits--a friend worthy of careful cultivation and development. We are introduced to soiltypes and other phases of soil science. We are told the importance of organic matter and how to improve garden soils, about tillage and making composts and maintaining soil fertility.

MINERAL NUTRITION OF PLANTS AND ANIMALS, by F. A. Gilbert. University of Oklahoma Press, 1948. 131p. 395 G372

There has been much interest recently in the need for improving the quality of our food. A vast amount of literature on mineral-nutrition has appeared, a large part of it dealing with nutrition of domestic animals and cultivated plants, and practically all of this can be considered in terms of human nutrition. This work surveys the reviews and more important papers dealing with mineral nutrition in an effort to cover the subdivisions of the subject sufficiently to serve as a foundation for more intensive research in restricted fields. Of special interest is the bibliography of 329 items.

#### PERIODICAL RECALL

In order to improve our periodical circulation service to you we have installed a recall system. If you are a periodical reader, you have noticed a due date in red on each of the periodical routing slips. The time, 3 days per individual, plus mailing time, should be ample for the periodical to make the rounds if it is kept moving.

If a periodical fails to return when it is due, a tracer, in the form of a duplicate routing slip with note attached, is sent to the first name on the list. If you receive one of these slips, please check carefully to make sure you do not have the overdue issue. If you have forwarded it, indicate this on the slip and send the slip immediately to the next name on the list. If you have the periodical, attach the tracer to it and return it to the library. We will make a new due date and send the periodical to the remaining names on the list.

#### SELECTED BULLETINS

##### Foods and Feeding

"How Heavy Should I Feed My Hogs?" USDA AIS-78. Nov. 1948. 4p. 1 Ag844i

"Potatoes for Livestock Feed," by C. R. Allender, Comp. USDA Misc. Pub. 676. Oct. 1948. 45p. 1 Ag844M 676

"Supplementary Protein and Mineral Feeding to Beef Cattle on Summer Pasture," by Z. A. Massey and S. W. Fisher. Ga. Agr. Expt. Sta. Cir. 157. Sept. 1948. 6p. 100 G29C

##### Forestry

"A Forest Industries Survey of Oklahoma," by E. R. Linn. Okla. Agr. Expt. Sta. Bul. No. B-325. Dec. 1948. 35p. 100 Ok4B

"Forestry and Forest Products: World Situation 1937-1946." FAO. 1946. 93p. 99.1 F73



"Lumber Production in the United States, 1799-1946," by H.B. Steer. USDA Misc. Pub. 669. Oct. 1948. 233p. 1 Ag84M

"Silvicultural Management of Black Spruce in Minnesota," by R. K. LeBarron. USDA Cir. 791. Oct. 1948. 60p. 1 Ag84C

#### Health

"Cooperation for Rural Health," by H. L. Johnston. FCA Misc. Rpt. 123. Sept. 1948. 55p. 166.3 M68

This publication contains a good list of references that will be most helpful in planning rural hospitals, clinics, and health centers, a list of free publications.

"Medical Care in Greene County," by S.C. Mayo and K.S. Fullerton. N. C. Agr. Expt. Sta. Bul. 363. Nov. 1948. 31p. 100 N81

While this publication gives facts for one particular county, it would be very helpful as a guide in making a similar survey of the health facilities and needs in your county.

"The Nation's Health: A Ten Year Program." A report to the President by Oscar R. Ewing, Federal Security Administrator. Sept. 1948. 186p.

AS YOU KNOW, GREAT EMPHASIS IS BEING PLACED ON THE HEALTH NEEDS OF OUR NATION. AS A CITIZEN, AND AS A LEADER IN YOUR COMMUNITY, HOW COMPLETE IS YOUR KNOWLEDGE OF HEALTH FACILITIES AND NEEDS IN THE NATION AND IN THE COMMUNITY IN WHICH YOU LIVE AND WORK?

#### Irrigation

"Irrigation Agriculture in the West." USDA Misc. Pub. 670. Nov. 1948. 39p. 1 Ag84M

Includes Texas and Oklahoma.

"Irrigation for Oklahoma." Okla. Agr. Expt. Sta. Cir. No. C-131. Dec. 1948. 28p. 100 Ok4C

#### Range and Pasture

"Brush Problems on Texas Ranges," by V. A. Young and others. Tex. Agr. Expt. Sta. Misc. Pub. 21. Oct. 1948. 100 T31M

"Forage Utilization on Summer Cattle Ranges in Eastern Oregon," by G. D. Pickford and E. H. Reid. USDA Cir. 796. Sept. 1948. 27p. 1 Ag84C

"How To Keep and Increase Black Grama on Southwestern Ranges," by R. S. Campbell and E. C. Crafts. USDA Leaflet 180. Slightly revised July 1948. 8p. 1 Ag84C

"Lowland Permanent Pastures for the Coastal Plain of Georgia." Ga. Coastal Plain Expt. Sta. Mimeo. Paper 58. Nov. 1948. 2p. 100 G292M

"Upland Permanent Pastures for the Coastal Plain of Georgia." Ga. Coastal Plain Expt. Sta. Mimeo. Paper 1. Revised Nov. 1948. 3p. 100 G292M

#### Water

"Geology and Ground-Water Resources of the Big Spring Area, Texas." U. S. Geological Survey Water-Supply Paper 913. 1944. 113p. 407 G29W

"Oklahoma Water: Quantity, Occurrence, and Quality of Surface and Ground Water."  
U. S. Geological Survey. 1945. 145p.

Miscellaneous

"Budding and Grafting Fruit Trees," by H. R. Niswonger. N. C. Agr. Col. Ext.  
Cir. 326. Oct. 1948. 11p. 275.29 N811C

"Can Farmers Afford To Live Better?" by L. Nelson. National Planning Association  
Plan. Pam. 65. Nov. 1948. 32p. 280.9 N2153N 65

"Career Opportunities for Graduate Veterinarians in the Bureau of Animal Industry."  
USDA Misc. Pub. 671. Oct. 1948. 18p. 1 Ag84M

"Drying Crops With A Flue Tobacco Barn," by H. M. Ellis and J. W. Weaver. N. C.  
Agr. Col. Ext. Cir. 328. Oct. 1948. 275.29 N811C

"Growing Flax in South Louisiana," by H. B. Brown. La. Agr. Col. Ext. Cir. 37.  
Oct. 1948. 8p. 100 L93C

"Inventory of Major Land Uses: United States," by L. A. Reuss and others. USDA  
Misc. Pub. 663. 1948. 89p. 1 Ag84M

"Investigation in Erosion Control and the Reclamation of Eroded Land at the  
Missouri Valley Loess Conservation Experiment Station, Clarinda, Iowa, 1931-  
42, by G. M. Browning and others. USDA Tech. Bul. 959. Oct. 1948. 88p.  
1 Ag84Te

"Report for 1946." Rothamsted Experimental Station, Harpenden, England. 1948.  
114p. 103 R74Ga

"Slide Films of the U. S. Department of Agriculture." USDA Misc. Pub. 655.  
Nov. 1948. 22p. 1 Ag84M

"Soil Moisture and Wheat Yields on the High Plains," by H. H. Finnell. USDA  
Leaflet 247. 8p. 1 Ag84L

"Soybeans in American Farming," by E. G. Strand. USDA Tech. Bul. 966. Nov.  
1948. 66p. 1 Ag84Te

"Texas Farm Commodity Prices," by J. G. McNeely and others. Tex. Agr. Expt. Sta.  
Bul. 700. July 1948. 89p. 100 T31S

"Using 2,4-D Safely," by L. S. Evans and others. USDA Farmers' Bul. 2005. Nov.  
1948. 10p. 1 Ag84F

"Vegetable-Seed Storage as Affected by Temperature and Relative Humidity," by  
E. H. Toole and others. USDA Tech. Bul. 972. Oct. 1948. 24p. 1 Ag84Te

PERIODICAL NOTES

Agricultural News Letter. Published monthly by Federal Reserve Bank of Dallas.

Monthly Business Review of the Federal Reserve Bank of Dallas.

Includes agricultural conditions. Special feature article in August issue  
was "Problems Associated With the Utilization, Conservation, and Control  
of Water Resources in the Southwest," by W. A. Faught. (We have it.)

Statistical Summary. Issued monthly by Bureau of Agricultural Economics.